

Project Title	Funding	Strategic Plan Objective	Institution
Automated measurement of dialogue structure in autism	\$0	Q1.S.A	Oregon Health & Science University
Think Asperger's	\$0	Q1.S.A	Southwestern Autism Research & Resource Center (SARRC)
Naturalistic observation diagnostic assessment for autism	\$0	Q1.S.A	Southwestern Autism Research & Resource Center (SARRC)
International trends in diagnoses and incidence of autism spectrum disorders	\$0	Q1.S.B	Telethon Institute for Child Health Research
Clinical and gene signatures of ASDs	\$0	Q1.S.E	University of British Columbia
Biomarkers for autism and for gastrointestinal and sleep problems in autism	\$0	Q1.L.A	Yale University
Observational and electrophysiological assessments of temperament in infants at risk for autism spectrum disorders	\$0	Q1.L.A	University of Washington
Placental vascular tree as biomarker of autism/ASD risk	\$0	Q1.L.A	Research Foundation for Mental Hygiene, Inc.
Multiplexed suspension arrays to investigate newborn and childhood blood samples for potential immune biomarkers of autism	\$0	Q1.L.A	Centers for Disease Control and Prevention (CDC)
Abnormal vestibulo-ocular reflexes in autism: A potential endophenotype	\$0	Q1.L.A	University of Florida
Temperament, emotional expression, and emotional self-regulation in relation to later ASD diagnosis	\$0	Q1.L.A	Bryn Mawr College
Defining high and low risk expression of emotion in infants at risk for autism	\$0	Q1.L.A	University of Pittsburgh
Identification of lipid biomarkers for autism	\$0	Q1.L.A	Massachusetts General Hospital
A prospective multi-system evaluation of infants at risk for autism	\$0	Q1.L.B	Massachusetts General Hospital
Video game environments for the integrative study of perception, attention and social cognition in autism and autism sibs	\$0	Q1.L.B	Cornell University
Ethnicity and the elucidation of autism endophenotypes	\$0	Q1.L.B	Washington University in St. Louis
A prospective multi-system evaluation of infants at risk for autism	\$0	Q1.L.B	Massachusetts General Hospital
Automated measurement of facial expression in autism: Deficits in facial nerve function?	\$0	Q1.L.B	University of Miami
Interactions between mothers and young children with ASD: Associations with maternal and child characteristics	\$0	Q1.L.C	University of Haifa
Cognitive control and social engagement among younger siblings of children with autism	\$0	Q1.L.C	University of Miami
Receptive vocabulary knowledge in low-functioning autism as assessed by eye movements, pupillary dilation, and event-related potentials	\$0	Q1.L.C	Johns Hopkins University
Atypical pupillary light reflex in individuals with autism	\$0	Q1.Other	University of Missouri
Online communication assessment to improve outcomes for individuals with severe disabilities	\$0	Q1.Other	Oregon Health & Science University

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Neuroimaging & symptom domains in autism	\$6,078	Q1.L.B	University of California, Los Angeles
Psychometric evaluation of the autism symptom diagnostic scale	\$8,975	Q1.S.A	Center for Autism and Related Disorders (CARD)
Validation of a Korean version of the QABF with children with ASD	\$10,320	Q1.S.B	Center for Autism and Related Disorders (CARD)
Psychometric evaluation of the QABF in children with ASD	\$11,069	Q1.Other	Center for Autism and Related Disorders (CARD)
The functions of stereotypy in children with ASD	\$11,095	Q1.L.C	Center for Autism and Related Disorders (CARD)
Neuroimaging of autism spectrum disorders	\$12,157	Q1.L.B	University of California, Los Angeles
Using a direct observation assessment battery to assess outcome of early intensive behavioral intervention for children with autism	\$20,000	Q1.L.B	New England Center for Children
Growth and maturation in children with autism	\$27,518	Q1.L.B	National Institutes of Health
Early language development within the autism spectrum (supplement)	\$27,942	Q1.L.C	University of Wisconsin - Madison
Neurophysiological investigation of language acquisition in infants at risk for ASD	\$28,000	Q1.L.A	Boston University
Temporal coordination of social communicative behaviors in infant siblings of children with autism	\$28,000	Q1.L.A	University of Pittsburgh
Evaluation of behavior problems in children with ASD	\$30,025	Q1.Other	Center for Autism and Related Disorders (CARD)
Neural mechanisms underlying obsessive compulsiveness in ASD	\$32,934	Q1.L.B	University of Michigan
Early language development within the autism spectrum (supplement)	\$33,417	Q1.L.C	University of Wisconsin - Madison
Functional brain networks in autism and attention deficit hyperactivity disorder	\$37,463	Q1.L.B	Oregon Health & Science University
University of Georgia – Carolina Autism Resource and Evaluation Center (UGA-CARES): A collaborative autism screening project utilizing web-based technology	\$40,000	Q1.S.B	University of Georgia
Amygdala structure & biochemistry in adolescents with autism	\$40,073	Q1.L.B	University of Wisconsin - Madison
Validity of an anxious subtype in autism spectrum disorders	\$46,670	Q1.L.B	University of California, Los Angeles
Cellular structure of the amygdala in autism	\$47,606	Q1.L.B	University of California, Davis
The emergence of emotion regulation in children at-risk for autism spectrum disorder	\$49,537	Q1.L.A	University of Miami
Emotional mimicry in children with autism	\$50,474	Q1.L.B	University of Colorado Denver
Neurophysiological indices of risk and outcome in autism	\$51,300	Q1.L.A	University of Washington
The development of selective attention in infancy as measured by eye movements	\$53,376	Q1.Other	York University

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Neural processes of eye gaze perception and its influence on learning in infancy	\$54,416	Q1.Other	Hunter College (City University of New York)
Electrophysiological signatures of language impairment in autism spectrum disorder (supplement)	\$55,828	Q1.L.B	Children's Hospital of Philadelphia
Autism spectrum disorder in Down syndrome: A model of repetitive and stereotypic behavior for idiopathic ASD	\$60,000	Q1.L.B	Kennedy Krieger Institute
Imitation in autism	\$61,000	Q1.L.B	King's College London
Family/Genetic study of autism	\$70,000	Q1.L.A	Southwestern Autism Research & Resource Center (SARRC)
Pupil size and circadian salivary variations in autism spectrum disorder	\$70,035	Q1.L.A	University of Kansas
Innovative assessment methods for autism: A proof of principle investigation of "nonverbal" autism	\$72,116	Q1.L.C	McMaster University
Misregulation of BDNF in autism spectrum disorders	\$75,000	Q1.L.A	Weill Cornell Medical College
Signatures of gene expression in autism spectrum disorders	\$75,000	Q1.L.A	Children's Hospital Boston
Novel methods for testing language comprehension in children with ASD	\$82,537	Q1.S.B	Boston University
Perceptual factors affecting social attention in autism spectrum disorders	\$82,750	Q1.L.B	Yale University
INT2-Large: Collaborative research: Developing social robots	\$87,500	Q1.Other	University of Miami
Social and statistical mechanisms of prelinguistic vocal development	\$87,965	Q1.Other	Cornell University
Analyses of brain structure and connectivity in young children with autism	\$90,000	Q1.L.B	University of California, Davis
Child-initiated communicative interactions and autism intervention (supplement)	\$95,687	Q1.L.B	University of California, Santa Barbara
Baby Siblings Research Consortium	\$111,700	Q1.S.B	Autism Speaks (AS)
Oxytocin biology and the social deficits of autism spectrum disorders	\$112,500	Q1.L.A	Stanford University
Assessing information processing and capacity for understanding language in non-verbal children with autism	\$113,873	Q1.L.C	Rutgers, The State University of New Jersey; City University of New York
Attention to social and nonsocial events in children with autism	\$118,924	Q1.S.B	Florida International University
Performance indices of social disability in toddlers with autism (supplement)	\$121,484	Q1.L.B	Yale University
Brain-behavior growth charts of altered social engagement in ASD infants	\$125,000	Q1.L.A	Yale University
The development of Chinese versions of the ADOS and ADI-R	\$127,500	Q1.S.B	Johns Hopkins Bloomberg School of Public Health

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Identifying gastrointestinal (GI) conditions in children with autism spectrum disorders (ASD)	\$127,500	Q1.L.A	Harvard Medical School
Electrophysiological correlates of cognitive control in autism	\$129,144	Q1.L.B	University of California, Davis
How words and sounds influence category formation in infancy	\$129,865	Q1.Other	Northwestern University
Intersensory perception of social events: Typical and atypical development	\$133,861	Q1.L.C	Florida International University
Supplement to NIH ACE Network grant: "A longitudinal MRI study of infants at risk for autism"	\$135,000	Q1.L.A	University of North Carolina at Chapel Hill
Quantitative analysis of craniofacial dysmorphology in autism	\$137,861	Q1.S.A	University of Massachusetts Medical School
Translational developmental neuroscience of autism	\$143,617	Q1.L.B	New York University School of Medicine
Multiple social tasks and social adjustment	\$145,000	Q1.L.B	California State University, Northridge
Biomarkers and diagnostics for ASD	\$149,600	Q1.S.A	Institute of Biotechnology
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	\$149,965	Q1.L.B	Trustees of Boston University
Prosodic and pragmatic processes in highly verbal children with autism	\$149,999	Q1.L.C	President & Fellows of Harvard College
Sensory integration and language processing in autism	\$152,394	Q1.L.C	University of Rochester
Emotion-modulated psychophysiology of autism spectrum disorders	\$156,781	Q1.Other	University of North Carolina at Chapel Hill
The intersection of autism and ADHD	\$158,242	Q1.L.B	Washington University in St. Louis
CDI-Type I: Understanding regulation of visual attention in autism through computational and robotic modeling	\$175,000	Q1.L.B	Yale University
Magnetic source imaging and sensory behavioral characterization in autism	\$176,229	Q1.L.B	University of California, San Francisco
Developmental social neuroscience in infants at-risk for autism	\$180,659	Q1.L.C	Yale University
Expressive crossmodal affect integration in autism	\$191,367	Q1.L.C	Oregon Health & Science University
Language learning in autism	\$191,584	Q1.L.C	Georgetown University
Eyeblink in children and adolescents with autism spectrum disorders: A pilot study	\$192,500	Q1.Other	Drexel University
Autism dysmorphology measure validity study	\$195,570	Q1.S.A	University of Missouri
Validation study of atypical dynamic pupillary light reflex as a biomarker for autism	\$204,525	Q1.L.A	University of Missouri
Early detection of pervasive developmental disorders (supplement)	\$207,828	Q1.S.A	University of Connecticut

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ACE Center: Integrated Biostatistical and Bioinformatic Analysis Core (IBBAC)	\$208,661	Q1.L.A	University of California, San Diego
A novel quantitative framework to study lack of social interactions in autism	\$210,000	Q1.L.B	Rutgers, The State University of New Jersey - New Brunswick
A longitudinal 3-D MRSI study of infants at high risk for autism	\$219,046	Q1.L.A	University of Washington
Early social communication characteristics of ASD in diverse cultures in the US and Africa	\$226,872	Q1.S.B	Florida State University
Development of neural pathways in infants at risk for autism spectrum disorders (supplement)	\$244,282	Q1.L.A	University of California, San Diego
Visual processing and later cognitive effects in infants with fragile X syndrome	\$247,125	Q1.Other	University of California, Davis
Social communication phenotype of ASD in the second year	\$249,084	Q1.L.C	Florida State University
RNA expression studies in autism spectrum disorders	\$250,000	Q1.L.A	Children's Hospital Boston
Developmental characteristics of MRI diffusion tensor pathway changes in autism	\$252,636	Q1.L.A	Washington University
Connectivity in social brain systems in autism	\$255,300	Q1.Other	Yale University
Early detection of autism through acoustic analysis of cry	\$260,153	Q1.S.B	Women and Infants Hospital of Rhode Island
Characterizing ASD phenotypes by multimedia signal and natural language processing	\$263,303	Q1.L.C	Columbia University
ACE Center: Auditory mechanisms of social engagement	\$273,542	Q1.Other	Yale University
Studying the biology and behavior of autism at 1-year: The Well-Baby Check-Up approach	\$275,152	Q1.L.A	University of California, San Diego
Computer adaptive testing of adaptive behavior of children and youth with autism	\$284,375	Q1.S.A	Boston University
Prospective study of infants at high risk for autism	\$292,249	Q1.L.A	Yale University
Developmental processes, trajectories, and outcomes in autism	\$292,249	Q1.L.C	Yale University
Emotion, communication, & EEG: Development & risk	\$295,172	Q1.L.B	University of Miami
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	\$300,000	Q1.L.B	Massachusetts Institute of Technology
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	\$300,000	Q1.L.B	University of Illinois at Urbana-Champaign
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	\$300,000	Q1.L.B	University of Southern California
The development of joint attention after infancy	\$303,992	Q1.L.C	Georgia State University

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ACE Center: Gaze perception abnormalities in infants with ASD	\$304,365	Q1.L.A	Yale University
ACE Center: Eye-tracking studies of social engagement	\$304,508	Q1.L.B	Yale University
ACE Center: Linguistic and social responses to speech in infants at risk for autism	\$304,817	Q1.L.A	University of Washington
Are autism spectrum disorders associated with leaky-gut at an early critical period in development?	\$309,000	Q1.L.A	University of California, San Diego
Development of intermodal perception of social events: Infancy to childhood	\$312,573	Q1.L.C	Florida International University
Child-initiated communicative interactions and autism intervention	\$321,056	Q1.L.B	University of California, Santa Barbara
Language development and outcome in children with autism	\$321,874	Q1.L.C	University of Connecticut
ACE Center: The development of the siblings of children with autism: A longitudinal study	\$324,955	Q1.L.B	University of California, Los Angeles
Development of neural pathways in infants at risk for autism spectrum disorders	\$325,029	Q1.L.A	University of California, San Diego
Metabolic biomarkers of autism: Predictive potential and genetic susceptibility	\$351,076	Q1.L.A	Arkansas Children's Hospital Research Institute
Electrophysiological signatures of language impairment in autism spectrum disorder	\$357,248	Q1.L.B	Children's Hospital of Philadelphia
ACE Center: Clinical Phenotype: Recruitment and Assessment Core	\$361,993	Q1.L.A	University of California, San Diego
ACE Center: MRI studies of early brain development in autism	\$364,247	Q1.L.A	University of California, San Diego
2/2 Development of a screening interview for research studies of ASD	\$372,239	Q1.S.A	Cincinnati Children's Hospital Medical Center
Early social and emotional development in toddlers at genetic risk for autism	\$373,244	Q1.L.A	University of Pittsburgh
Electrophysiological, metabolic and behavioral markers of infants at risk	\$378,751	Q1.L.A	Children's Hospital Boston
Neural economics of biological substrates of valuation	\$383,750	Q1.L.C	Baylor College of Medicine
Extraction of functional subnetworks in autism using multimodal MRI	\$384,865	Q1.L.B	Yale University
HCC: Medium: Automatic detection of atypical patterns in cross-modal affect	\$410,667	Q1.L.B	Oregon Health & Science University
Development of face processing in infants with autism spectrum disorders	\$413,750	Q1.L.B	Yale University
Social evaluation in infants and toddlers	\$413,750	Q1.L.B	Yale University
Perception of social and physical contingencies in infants with ASD	\$413,750	Q1.L.B	Yale University

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Physical and clinical infrastructure for research on infants-at-risk for autism at Yale	\$439,163	Q1.L.A	Yale University
Sensory experiences in children with autism	\$483,083	Q1.Other	University of North Carolina at Chapel Hill
Test of integrated language and literacy skills validation research	\$494,642	Q1.Other	Western Michigan University
Performance indices of social disability in toddlers with autism	\$495,558	Q1.L.B	Yale University
Computer Assisted Autism Care (CAAC)	\$497,540	Q1.S.B	Indiana University - Purdue University at Indianapolis
Development of a brief screener for research in autism spectrum disorders	\$497,915	Q1.S.A	University of Michigan
Early language development within the autism spectrum	\$508,490	Q1.L.C	University of Wisconsin - Madison
Improving accuracy and accessibility of early autism screening	\$518,904	Q1.S.A	Total Child Health, Inc.
Early identification of autism: A prospective study	\$519,453	Q1.L.A	University of Pittsburgh
INT2-Large: Collaborative research: Developing social robots	\$530,000	Q1.Other	University of California, San Diego
Social-affective bases of word learning in fragile X syndrome and autism	\$556,374	Q1.Other	University of Wisconsin - Madison
ACE Center: Assessment Core	\$570,490	Q1.L.A	Yale University
Family studies of sensorimotor and neurocognitive heterogeneity in autism spectrum disorders (ASD)	\$588,544	Q1.L.B	University of Texas Southwestern Medical Center at Dallas
Infants at risk of autism: A longitudinal study	\$599,598	Q1.L.A	University of California, Davis
Model diagnostic lab for infants at risk for autism	\$599,992	Q1.L.A	Yale University
The ontogeny of social visual engagement in infants at risk for autism	\$600,325	Q1.L.A	Yale University
Social-emotional development of infants at risk for autism spectrum disorders	\$604,960	Q1.L.B	University of Washington
ACE Center: Early detection and intervention in infants at risk for autism	\$620,446	Q1.L.B	University of Washington
Predicting useful speech in children with autism	\$662,075	Q1.L.B	Vanderbilt University
1/2 Development of a screening interview for research studies of ASD	\$665,065	Q1.S.A	University of Michigan
Neurobehavioral research on infants at risk for SLI and autism	\$691,847	Q1.L.A	Boston University Medical Campus
Gene dosage imbalance in neurodevelopmental disorders	\$696,220	Q1.S.E	Emory University
Autism: Social and communication predictors in siblings	\$751,225	Q1.L.B	Kennedy Krieger Institute
The creation of ASDRA (Autism Spectrum Disorder Risk Alert)	\$892,640	Q1.S.A	Tiranoff Productions, LLC

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Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	\$898,860	Q1.L.B	Carnegie Mellon University
Improving and streamlining screening and diagnosis of ASD at 18-24 months of age	\$968,011	Q1.S.B	Florida State University
Early detection of pervasive developmental disorders	\$1,032,220	Q1.S.A	University of Connecticut
Genomic identification of autism loci	\$1,483,822	Q1.S.E	University of Washington
Clinical and behavioral phenotyping of autism and related disorders	\$1,926,685	Q1.L.B	National Institutes of Health
Collaborative research: Computational behavioral science: Modeling, analysis, and visualization of social and communicative behavior	\$1,965,067	Q1.L.B	Georgia Tech Research Corporation
ACE Network: A longitudinal MRI study of infants at risk for autism	\$3,283,233	Q1.L.A	University of North Carolina at Chapel Hill

